



GP 1635

EXPRESS MAIL NO.: EM 061 022 185 US

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

Filed: September 9, 1999

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Group Art Unit: 1635

Examiner: To Be Assigned

Attorney Docket No.: 9426-019

#7
M.80
6/8/00

RESPONSE TO NOTICE CONCERNING PROPERTY RIGHTS

Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

RECEIVED

JAN 31 2000

In response to the Notice mailed December 13, 1999 (copy attached), enclosed is an executed "Property Rights Statement Under 42 U.S.C. § 2182" from the named co-inventors verifying that no funds of the Department of Energy were used in the making of this invention. It is respectfully requested that the prosecution of this application now proceed.

No fee is believed due with this submission. Should any fee be required, authorization is hereby provided to charge the amount due to Pennie & Edmonds LLP's Deposit Account No. 16-1150.

Respectfully submitted,

Date: January 26, 1999

Geraldine F. Baldwin 31,232
Geraldine F. Baldwin (Reg. No.)

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, New York 10036
(212) 790-9090

EXPRESS MAIL NO.: EM 061 022 185 US

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

Group Art Unit: 1635

Filed: September 9, 1999

Examiner: To Be Assigned

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Attorney Docket No.: 9426-019

PROPERTY RIGHTS STATEMENT UNDER 42 U.S.C. § 2182

Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

We, **Ronald Taylor**, a citizen of the United States of America, residing at 108 Kerry Lane, Charlottesville, Virginia 22901, **Alessandra Nardin**, a citizen of Italy, residing at 22 Rue de la Sabliere, Paris, France 75014, **William M. Sutherland**, a citizen of the United States of America, residing at P.O. Box 167, Earlysville, Virginia 22936, **Mitchell H. Sokoloff**, a citizen of the United States of America, residing at 620 South Garfield Avenue, Hinsdale, Illinois 60521, and **Leland Chung**, a citizen of the United States of America, residing at 111 Rocky Road, Lovingson, Virginia, 22949, declare:

That we made and conceived the invention described and claimed in patent application Serial No. 09/392,500 filed in the United States of America on September 9, 1999, titled "ANTIBODIES TO A TUMOR-ASSOCIATED ANTIGEN FOR DELIVERY OF DIAGNOSTIC AND THERAPEUTIC AGENTS."

I, **Ronald Taylor**, declare that, working in collaboration with my co-inventors Alessandra Nardin, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Alessandra Nardin**, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

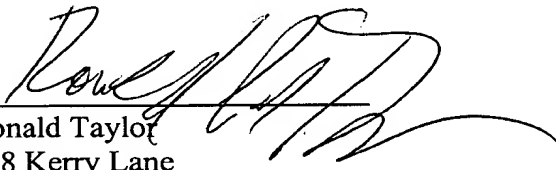
I, **William M. Sutherland**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Mitchell H. Sokoloff**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Leland Chung**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.




Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901

Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

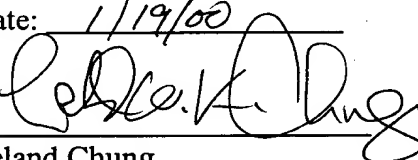
Date: 1/17/00

Date: _____



William M. Sutherland
P.O. Box 167
Earlysville, Virginia 22936

Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: 1/19/00


Leland Chung
1111 Rocky Road
Lovington, Virginia 22949

Date: _____

Date: Jan 17, 2000



EXPRESS MAIL NO.: EM 061 022 185 US

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

Group Art Unit: 1635

Filed: September 9, 1999

Examiner: To Be Assigned

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Attorney Docket No.: 9426-019

PROPERTY RIGHTS STATEMENT UNDER 42 U.S.C. § 2182

Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

We, **Ronald Taylor**, a citizen of the United States of America, residing at 108 Kerry Lane, Charlottesville, Virginia 22901, **Alessandra Nardin**, a citizen of Italy, residing at 22 Rue de la Sabliere, Paris, France 75014, **William M. Sutherland**, a citizen of the United States of America, residing at P.O. Box 167, Earlysville, Virginia 22936, **Mitchell H. Sokoloff**, a citizen of the United States of America, residing at 620 South Garfield Avenue, Hinsdale, Illinois 60521, and **Leland Chung**, a citizen of the United States of America, residing at 111 Rocky Road, Lovingson, Virginia, 22949, declare:

That we made and conceived the invention described and claimed in patent application Serial No. 09/392,500 filed in the United States of America on September 9, 1999, titled "ANTIBODIES TO A TUMOR-ASSOCIATED ANTIGEN FOR DELIVERY OF DIAGNOSTIC AND THERAPEUTIC AGENTS."

I, **Ronald Taylor**, declare that, working in collaboration with my co-inventors Alessandra Nardin, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Alessandra Nardin**, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **William M. Sutherland**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Mitchell H. Sokoloff**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, **Leland Chung**, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901

Date: _____

William M. Sutherland
P.O. Box 167
Earlsville, Virginia 22936

Date: _____

Leland Chung
22 Rue de la Sabliere
Lovingston, Virginia 22949

Date: _____

Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

Date: _____

Mitchell Sokoloff

Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: 1/6/2000

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

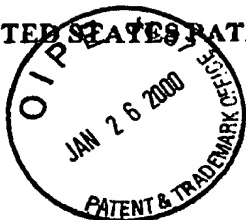
Filed: September 9, 1999

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Group Art Unit: 1635

Examiner: To Be Assigned

Attorney Docket No.: 9426-019

**PROPERTY RIGHTS STATEMENT UNDER 42 U.S.C. § 2182**

Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

We, Ronald Taylor, a citizen of the United States of America, residing at 108 Kerry Lane, Charlottesville, Virginia 22901, Alessandra Nardin, a citizen of Italy, residing at 22 Rue de la Sabliere, Paris, France 75014, William M. Sutherland, a citizen of the United States of America, residing at P.O. Box 167, Earlysville, Virginia 22936, Mitchell H. Sokoloff, a citizen of the United States of America, residing at 620 South Garfield Avenue, Hinsdale, Illinois 60521, and Leland Chung, a citizen of the United States of America, residing at 111 Rocky Road, Lovingsston, Virginia, 22949, declare:

That we made and conceived the invention described and claimed in patent application Serial No. 09/392,500 filed in the United States of America on September 9, 1999, titled "ANTIBODIES TO A TUMOR-ASSOCIATED ANTIGEN FOR DELIVERY OF DIAGNOSTIC AND THERAPEUTIC AGENTS."

I, Ronald Taylor, declare that, working in collaboration with my co-inventors Alessandra Nardin, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

NY2-1017517.1

I, Alessandra Nardin, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, William M. Sutherland, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Mitchell H. Sokoloff, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Leland Chung, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901

Date: _____

William M. Sutherland
P.O. Box 167
Earlsville, Virginia 22936

Date: _____

Leland Chung
22 Rue de la Sabliere
Lovington, Virginia 22949

Date: _____

Alessandra Nardin

Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

Date: *January 20, 2000*

Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: _____

EXPRESS MAIL NO.: EM 061 022 185 US

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

Group Art Unit: 1635

Filed: September 9, 1999

Examiner: To Be Assigned

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Attorney Docket No.: 9426-019

PROPERTY RIGHTS STATEMENT UNDER 42 U.S.C. § 2182

Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

06/

We, Ronald Taylor, a citizen of the United States of America, residing at 108 Kerry Lane, Charlottesville, Virginia 22901, Alessandra Nardin, a citizen of Italy, residing at 22 Rue de la Sabliere, Paris, France 75014, William M. Sutherland, a citizen of the United States of America, residing at P.O. Box 167, Earlsyville, Virginia 22936, Mitchell H. Sokoloff, a citizen of the United States of America, residing at 620 South Garfield Avenue, Hinsdale, Illinois 60521, and Leland Chung, a citizen of the United States of America, residing at 111 Rocky Road, Lovingson, Virginia, 22949, declare:

That we made and conceived the invention described and claimed in patent application Serial No. 09/392,500 filed in the United States of America on September 9, 1999, titled "ANTIBODIES TO A TUMOR-ASSOCIATED ANTIGEN FOR DELIVERY OF DIAGNOSTIC AND THERAPEUTIC AGENTS."

I, Ronald Taylor, declare that, working in collaboration with my co-inventors Alessandra Nardin, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

RECEIVED
MAR 8 1999
MAR 8 1999

I, Alessandra Nardin, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.


I, William M. Sutherland, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.


I, Mitchell H. Sokoloff, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Leland Chung, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

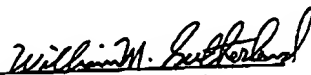
The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made in information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901


Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

Date: 1/14/00

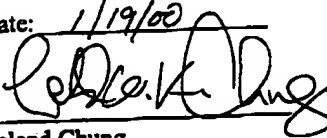
Date: _____


William M. Sutherland
P.O. Box 167
Earlsville, Virginia 22936


Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: 1/19/00

Date: _____


Leland Chung
1111 Rocky Road
Lovingsston, Virginia 22949

Date: Jan 17, 2000

EXPRESS MAIL NO.: EM 061 022 185 US

PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taylor et al.

Serial No.: 09/392,500

Filed: September 9, 1999

For: ANTIBODIES TO A TUMOR-
ASSOCIATED ANTIGEN FOR
DELIVERY OF DIAGNOSTIC AND
THERAPEUTIC AGENTS

Group Art Unit: 1635

Examiner: To Be Assigned

Attorney Docket No.: 9426-019

PROPERTY RIGHTS STATEMENT UNDER 42 U.S.C. § 2182Assistant Commissioner for Patents
Washington, D.C. 20231

Attn: Licensing and Review

SIR:

We, Ronald Taylor, a citizen of the United States of America, residing at 108 Kerry Lane, Charlottesville, Virginia 22901, Alessandra Nardin, a citizen of Italy, residing at 22 Rue de la Sabliere, Paris, France 75014, William M. Sutherland, a citizen of the United States of America, residing at P.O. Box 167, Earlysville, Virginia 22936, Mitchell H. Sokoloff, a citizen of the United States of America, residing at 620 South Garfield Avenue, Hinsdale, Illinois 60521, and Leland Chung, a citizen of the United States of America, residing at 111 Rocky Road, Lovington, Virginia, 22949, declare:

That we made and conceived the invention described and claimed in patent application Serial No. 09/392,500 filed in the United States of America on September 9, 1999, titled "ANTIBODIES TO A TUMOR-ASSOCIATED ANTIGEN FOR DELIVERY OF DIAGNOSTIC AND THERAPEUTIC AGENTS."

I, Ronald Taylor, declare that, working in collaboration with my co-inventors Alessandra Nardin, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Alessandra Nardin, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, William M. Sutherland, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Mitchell H. Sokoloff, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Leland Chung, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901

Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

Date: _____

Date: _____

William M. Sutherland
P.O. Box 167
Earlsville, Virginia 22936

Mitchell H. Sokoloff

Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: _____

Date: 1/6/2000

Leland Chung
22 Rue de la Sabliere
Lovingson, Virginia 22949

Date: _____

I, Alessandra Nardin, declare that, working in collaboration with my co-inventors Ronald Taylor, William M. Sutherland, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, William M. Sutherland, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, Mitchell H. Sokoloff, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Mitchell H. Sokoloff, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Leland Chung, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

I, Leland Chung, declare that, working in collaboration with my co-inventors Ronald Taylor, Alessandra Nardin, William M. Sutherland, and Mitchell H. Sokoloff, I made and conceived this invention while employed by the University of Virginia, Charlottesville, Virginia 22908. That the invention is related to the work I am employed to perform and was made within the scope of my employment duties. That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of University of Virginia.

That to the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Ronald Taylor
108 Kerry Lane
Charlottesville, Virginia 22901

Alessandra Nardin
Alessandra Nardin
22 Rue de la Sabliere
Paris, France 75014

Date: _____

Date: January 20, 2000

William M. Sutherland
P.O. Box 167
Earlysville, Virginia 22936

Mitchell H. Sokoloff
620 South Garfield Avenue
Hinsdale, Illinois 60521

Date: _____

Date: _____

Leland Chung
22 Rue de la Sabliere
Lovington, Virginia 22949

Date: _____

- 3 -

NY2-1007517.1

PO 20

DOI 1107

20/01/00 18:37 TEL 0163101780